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THE UTILIZATION OF ERTS-1 GENERATED PHOTOGRAPHS IN THE EVALUATION OF
THE IRANIAN PLAYAS AS POTENTIAL LOCATIONS FOR ECONOMIC AND ENGINEERING
DEVELOPMENT

Daniel B. Krinsley
U. S. Geological Survey
Washington, D. C. 20242

29 November 1972

Type I Progress Report for Period 1 September - 31 October 1972

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Greenbelt, Maryland 20771

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Type I Progress Report
ERTS-I

- a. Title: The Utilization of ERTS-1 Generated Photographs in the Evaluation of the Iranian Playas as Potential Locations for Economic and Engineering Development

ERTS-1 Proposal No.: SR 195

- b. GSFC 10 No. of P.I.: IN 037

- c. Problems encountered during this reporting period include:

1. Diffraction patterns on many 70 mm positives.
2. Color composites are required in this study, and they have not been available.
3. Scale of some 70 mm images is variable, especially the 7 band.

- d. Accomplishments during the reporting period include:

1. A joint Iranian-American Field Party visited four principal playas in Iran, and several minor ones during the period 1 September - 30 September 1972.
2. Sixty-seven soil, salt and water samples were collected by the party, and these are currently being analyzed in Tehran, Iran, and Washington, D. C.
3. Several hundred "ground truth" photographs in color and in black and white were taken at all of the playas within 10 days to 2 weeks of the overhead passing of ERTS-I.
4. Depth to ground water and surface strength of playa soils were measured at the principal playas. These data will be related to any seasonal tonal differences that might be observed in the ERTS-1 photographs.

- e. There are no scientific results at this time.

- f. No papers have been published to date.

- g. See section c.

h. N. A.

i. No forms have been received.

j. N. A.

